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**RAW SEQUENCE LISTING**  
PATENT APPLICATION: US/09/281,760E

DATE: 02/26/2003  
TIME: 15:01:12

Input Set : A:\seqlisting.2002.09.04.txt  
Output Set: N:\CRF4\02262003\I281760E.raw

4 <110> APPLICANT: Lawton, Robert  
 5       Mermer, Brion  
 6       Francoeur, Greg  
 9 <120> TITLE OF INVENTION: Specific Binding Protein for Treating  
 10      Canine Allergy  
 12 <130> FILE REFERENCE: 01-1275A  
 14 <140> CURRENT APPLICATION NUMBER: 09/281,760E  
 15 <141> CURRENT FILING DATE: 1999-03-30  
 17 <150> PRIOR APPLICATION NUMBER: 09/058,331  
 18 <151> PRIOR FILING DATE: 1998-04-09  
 20 <160> NUMBER OF SEQ ID NOS: 39  
 22 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 5  
 26 <212> TYPE: PRT  
 27 <213> ORGANISM: Canis familiaris  
 29 <220> FEATURE:  
 30 <221> NAME/KEY: PEPTIDE  
 31 <222> LOCATION: (2)...(3)  
 32 <223> OTHER INFORMATION: Xaa = any amino acid  
 34 <400> SEQUENCE: 1  
 W--> 35 Leu Xaa Xaa Tyr Arg  
 36    1               5  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 5  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Canis familiaris  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: PEPTIDE  
 45 <222> LOCATION: (3)...(4)  
 46 <223> OTHER INFORMATION: Xaa = Any amino acid  
 48 <400> SEQUENCE: 2  
 W--> 49 Tyr Arg Xaa Xaa Leu  
 50    1               5  
 52 <210> SEQ ID NO: 3  
 53 <211> LENGTH: 8  
 54 <212> TYPE: PRT  
 55 <213> ORGANISM: Canis familiaris  
 57 <220> FEATURE:  
 58 <221> NAME/KEY: PEPTIDE  
 59 <222> LOCATION: (2)...(3)  
 60 <223> OTHER INFORMATION: Xaa = Any amino acid  
 62 <220> FEATURE:

86  
ENTERED

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63 <221> NAME/KEY: PEPTIDE  
 64 <222> LOCATION: (6)...(7)  
 65 <223> OTHER INFORMATION: Xaa = Any amino acid  
 67 <400> SEQUENCE: 3

W--> 68 Leu Xaa Xaa Tyr Arg Xaa Xaa Leu

69 1 5  
 71 <210> SEQ ID NO: 4  
 72 <211> LENGTH: 7  
 73 <212> TYPE: PRT  
 74 <213> ORGANISM: Canis familiaris  
 76 <400> SEQUENCE: 4  
 77 Thr Leu Leu Glu Tyr Arg Met  
 78 1 5  
 80 <210> SEQ ID NO: 5  
 81 <211> LENGTH: 11  
 82 <212> TYPE: PRT  
 83 <213> ORGANISM: Canis familiaris  
 85 <400> SEQUENCE: 5  
 86 Gly Met Asn Leu Thr Trp Tyr Arg Glu Ser Lys  
 87 1 5 10  
 89 <210> SEQ ID NO: 6  
 90 <211> LENGTH: 9  
 91 <212> TYPE: PRT  
 92 <213> ORGANISM: Canis familiaris  
 94 <220> FEATURE:  
 95 <221> NAME/KEY: PEPTIDE  
 96 <222> LOCATION: (2)...(3)  
 97 <223> OTHER INFORMATION: Xaa = Any amino acid  
 99 <220> FEATURE:  
 100 <221> NAME/KEY: PEPTIDE  
 101 <222> LOCATION: (6)...(8)  
 102 <223> OTHER INFORMATION: Xaa = Any amino acid  
 104 <400> SEQUENCE: 6

W--> 105 Cys Xaa Xaa Pro His Xaa Xaa Xaa Cys

106 1 5  
 108 <210> SEQ ID NO: 7  
 109 <211> LENGTH: 16  
 110 <212> TYPE: PRT  
 111 <213> ORGANISM: Canis familiaris  
 113 <400> SEQUENCE: 7  
 114 Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly  
 115 1 5 10 15  
 117 <210> SEQ ID NO: 8  
 118 <211> LENGTH: 14  
 119 <212> TYPE: PRT  
 120 <213> ORGANISM: Canis familiaris  
 122 <400> SEQUENCE: 8  
 123 Ser Ala Cys Pro Asn Pro His Asn Pro Tyr Cys Gly Gly Gly  
 124 1 5 10

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126 <210> SEQ ID NO: 9  
127 <211> LENGTH: 9  
128 <212> TYPE: PRT  
129 <213> ORGANISM: Canis familiaris  
131 <220> FEATURE:  
132 <221> NAME/KEY: PEPTIDE  
133 <222> LOCATION: (2)...(2)  
134 <223> OTHER INFORMATION: Xaa = Any amino acid  
136 <220> FEATURE:  
137 <221> NAME/KEY: PEPTIDE  
138 <222> LOCATION: (5)...(5)  
139 <223> OTHER INFORMATION: Xaa = Any amino acid  
141 <220> FEATURE:  
142 <221> NAME/KEY: PEPTIDE  
143 <222> LOCATION: (7)...(8)  
144 <223> OTHER INFORMATION: Xaa = Any amino acid  
146 <400> SEQUENCE: 9

W--> 147 Cys Xaa Pro His Xaa Pro Xaa Xaa Cys

148 1 5  
150 <210> SEQ ID NO: 10  
151 <211> LENGTH: 14  
152 <212> TYPE: PRT  
153 <213> ORGANISM: Canis familiaris  
155 <400> SEQUENCE: 10  
156 Ser Ala Cys His Pro His Leu Pro Lys Ser Cys Gly Gly Gly  
157 1 5 10

159 <210> SEQ ID NO: 11  
160 <211> LENGTH: 12  
161 <212> TYPE: PRT  
162 <213> ORGANISM: Canis familiaris  
164 <400> SEQUENCE: 11  
165 Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys

166 1 5 10

168 <210> SEQ ID NO: 12  
169 <211> LENGTH: 17  
170 <212> TYPE: PRT  
171 <213> ORGANISM: Canis familiaris  
173 <400> SEQUENCE: 12

174 Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly  
175 1 5 10 15

176 Lys

179 <210> SEQ ID NO: 13

180 <211> LENGTH: 7

181 <212> TYPE: PRT

182 <213> ORGANISM: Homo sapiens

184 <400> SEQUENCE: 13

185 Val Asn Leu Thr Trp Ser Arg

186 1 5

188 <210> SEQ ID NO: 14

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189 <211> LENGTH: 11  
190 <212> TYPE: PRT  
191 <213> ORGANISM: Felis catus  
193 <400> SEQUENCE: 14  
194 Gly Met Thr Leu Thr Trp Ser Arg Glu Asn Gly  
195 1 5 10  
197 <210> SEQ ID NO: 15  
198 <211> LENGTH: 11  
199 <212> TYPE: PRT  
200 <213> ORGANISM: Canis familiaris  
202 <400> SEQUENCE: 15  
203 Gly Met Asn Leu Thr Trp Ser Arg Glu Ser Lys  
204 1 5 10  
206 <210> SEQ ID NO: 16  
207 <211> LENGTH: 9  
208 <212> TYPE: PRT  
209 <213> ORGANISM: Canis familiaris  
211 <400> SEQUENCE: 16  
212 Cys Pro Asn Pro His Ile Pro Met Cys  
213 1 5  
215 <210> SEQ ID NO: 17  
216 <211> LENGTH: 9  
217 <212> TYPE: PRT  
218 <213> ORGANISM: Canis familiaris  
220 <400> SEQUENCE: 17  
221 Cys Pro Asn Pro His Asn Pro Tyr Cys  
222 1 5  
224 <210> SEQ ID NO: 18  
225 <211> LENGTH: 9  
226 <212> TYPE: PRT  
227 <213> ORGANISM: Canis familiaris  
229 <400> SEQUENCE: 18  
230 Cys His Pro His Leu Pro Lys Ser Cys  
231 1 5  
233 <210> SEQ ID NO: 19  
234 <211> LENGTH: 9  
235 <212> TYPE: PRT  
236 <213> ORGANISM: Canis familiaris  
238 <400> SEQUENCE: 19  
239 Cys Ser Asn Pro His Val Thr His Cys  
240 1 5  
242 <210> SEQ ID NO: 20  
243 <211> LENGTH: 9  
244 <212> TYPE: PRT  
245 <213> ORGANISM: Canis familiaris  
247 <400> SEQUENCE: 20  
248 Cys Ser His Pro His Leu Thr His Cys  
249 1 5  
251 <210> SEQ ID NO: 21

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Input Set : A:\seqlisting.2002.09.04.txt  
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252 <211> LENGTH: 9  
253 <212> TYPE: PRT  
254 <213> ORGANISM: Canis familiaris  
256 <400> SEQUENCE: 21  
257 Cys Ser Asn Pro His Ile Thr Gln Cys  
258 1 5  
260 <210> SEQ ID NO: 22  
261 <211> LENGTH: 9  
262 <212> TYPE: PRT  
263 <213> ORGANISM: Canis familiaris  
265 <400> SEQUENCE: 22  
266 Cys Met Asn Pro His Ile Thr His Cys  
267 1 5  
269 <210> SEQ ID NO: 23  
270 <211> LENGTH: 9  
271 <212> TYPE: PRT  
272 <213> ORGANISM: Canis familiaris  
274 <400> SEQUENCE: 23  
275 Cys Thr Asn Pro His Asn Pro Tyr Cys  
276 1 5  
278 <210> SEQ ID NO: 24  
279 <211> LENGTH: 9  
280 <212> TYPE: PRT  
281 <213> ORGANISM: Canis familiaris  
283 <400> SEQUENCE: 24  
284 Cys Pro Asn Pro His Asn Pro Tyr Cys  
285 1 5  
287 <210> SEQ ID NO: 25  
288 <211> LENGTH: 9  
289 <212> TYPE: PRT  
290 <213> ORGANISM: Canis familiaris  
292 <400> SEQUENCE: 25  
293 Cys His Pro His Leu Pro Lys Arg Cys  
294 1 5  
296 <210> SEQ ID NO: 26  
297 <211> LENGTH: 17  
298 <212> TYPE: PRT  
299 <213> ORGANISM: Canis familiaris  
301 <400> SEQUENCE: 26  
302 Tyr Cys Arg Val Thr His Pro His Leu Pro Lys Asp Ile Val Arg Ser  
303 1 5 10 15  
304 Ile  
307 <210> SEQ ID NO: 27  
308 <211> LENGTH: 17  
309 <212> TYPE: PRT  
310 <213> ORGANISM: Homo sapiens  
312 <400> SEQUENCE: 27  
313 Gln Cys Arg Val Thr His Pro His Leu Pro Arg Ala Leu Met Arg Ser  
314 1 5 10 15

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/26/2003  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3  
Seq#:2; Xaa Pos. 3,4  
Seq#:3; Xaa Pos. 2,3,6,7  
Seq#:6; Xaa Pos. 2,3,6,7,8  
Seq#:9; Xaa Pos. 2,5,7,8  
Seq#:33; N Pos. 136,413,414,451,460,461,462,500,530,568,847,848,849,853  
Seq#:33; N Pos. 1382,1832  
Seq#:33; Xaa Pos. 83,175,176  
Seq#:34; Xaa Pos. 83  
Seq#:35; Xaa Pos. 81,82

## VERIFICATION SUMMARY

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Input Set : A:\seqlisting.2002.09.04.txt  
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L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:453 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33, Line#:444  
L:459 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33, Line#:450  
L:465 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33, Line#:456  
L:465 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33, Line#:462  
L:470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120  
M:341 Repeated in SeqNo=33  
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:80  
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:80